

Metal Processing

SOV/1870

Ch. VI. Special Casting Methods	126
63. Permanent mold casting	126
64. Centrifugal casting	126
65. Die casting	127
66. Precision casting	130
Ch. VII. Finishing Operations on Castings	131
67. Stripping, trimming, and cleaning of castings	131
68. Casting rejects and remedial methods	132
69. Annealing of cast iron	132

PART 4. METAL FORMING

Ch. I. Fundamentals	133
70. Ductility and factors affecting it	134
71. Change in structures and properties of metal in hot forming	135
Ch. II. Heating of Metal	137
Card 7 ¹²	

Metal Processing

§0V/1870

72. Smithy	137
73. Heat-treatment furnaces	137
74. Metal-heating regimes	141
Ch. III. Rolling	142
75. Fundamentals	142
76. Rolling mills and production of rolled stock	144
77. Manufacture of pipes	148
78. Cold rolling	149
Ch. IV. Drawing	149
Ch. V. Extrusion	150
Ch. VI. Open Die Forging	151
79. Forging laws	151
80. Smith forging procedure and tools used	152
81. Machines used in forging	155
Ch. VII. Closed Die Forging	161
82. Basic information	161
83. Closed dies	162

Card 8/12

Metal Processing

80V/1870

- | | |
|--|-----|
| 84. Mechanics used in closed die forging | 165 |
| 85. Cold stamping | 169 |

PART 5. METAL CUTTING

- | | |
|--|-----|
| Ch. I. Fundamentals of the Theory of Metal Cutting | 172 |
| 86. Brief historical review | 172 |
| 87. Blanks and allowances for machining | 174 |
| 88. Cutting motions | 175 |
| 89. Elements of cutting | 176 |
| 90. Single point tool and its components | 179 |
| 91. Materials of cutting tools | 186 |
| 92. Basic types of tools for turning | 189 |
| 93. Wear of single point tools and their sharpening | 191 |
| 94. Process of chip formation | 193 |
| 95. Phenomena associated with the process of metal cutting | 195 |
| 96. Cutting forces in turning | 198 |
| 97. Speed of cutting | 201 |
| 99. Selection of cutting regimes | 204 |

Card 9/12

Metal Processing

SOV/1870

100. Graphic representation of the equation for cutting speed	207
101. High productive metal cutting	208
102. Metal cutting with coarse feed	210
Ch. II. Drives of Metal-cutting Machine Tools	212
103. Types of drives	212
104. Stepped drives	213
105. Stepless drives	218
106. Classification of metal-cutting machine tools	219
Ch. III. Machine Tools for Turning	221
107. Arrangement of a screw cutting lathe	221
108. Fastening of blanks in lathes	230
109. Operations performed on screw-cutting lathes	234
110. Idea of arrangement and purpose of other machine tools for turning	241
Ch. IV. Drilling Machines	244
III. Operations performed on drilling machines and tools used	245
112. Vertical and radial drilling machines	250
113. Accessories for drilling machines	255

Card 10/12

Metal Processing

80V/1870

114. Boring machines	258
Ch. V. Milling Machines	259
115. Milling	259
116. Components and elements of a milling cutter	261
117. Basic types of milling cutters	263
118. Horizontal milling machines	265
119. Accessories for milling machines	269
120. Dividing heads	270
121. Operations performed on milling machines	276
Ch. VI. Planing, Shaping, Slotting, and Broaching Machines	277
122. Planing	277
123. Shapers	279
124. Planers	283
125. Slotters	285
126. Concept of broaching and construction of broaching machines	286
	289

Card 11/12

Metal Processing

SOV/1870

Ch. VII. Grinding Machines	289
127. Grinding	289
128. Grinding wheels and their characteristics	289
129. Main shapes of grinding wheels. Fastening and testing	292
130. Methods of grinding and principles of operation of grinding machines	293
131. Arrangement of cylindrical grinding machines for external grinding	299
VIII. Methods of Gear Cutting	301
132. Basic methods of gear cutting	301
133. Cutting gears by the rolling process	302
134. Gear cutting by generating methods	304
135. Information on machines for gear finishing	310
Ch. IX. Modernization of Machine Tools	311
Ch. X. Operation of Machine Tools	314
Ch. XI. Electrical Methods of Machining Metals	316

AVAILABLE: Library of Congress (TN665.R3)

GO/gmp
7-23-59

Card 12/12

AYZINBERG, Ya.M., insh.; POROZHENKO, F.F., insh.

Improving construction yard operations. Shakht. stroi. no.2:22-24
'58. (MIRA 11:3)

(Building materials)

AYZENBERG, Ya.M. (g.Perovo)

Distribution of seismic loads on walls of frameless buildings. Stroimekh.i rasch.soor. 2 no.3:9-13 '60.

(MIRA 13:6)

(Earthquakes and building)

(Strains and stresses)

AYZENBERG, Y.A.M

PLEASE DO NOT REPLY TO THIS MESSAGE

Adamskiy street, 1, artkhimbiyus NISN. Institut stroitel'nykh konstruktivnykh materialov po simyotkhozisui i zdani i konstruktivnykh strobnik stroy (Research on Symptomatic Buildings and Constructions); Collection of Articles Moscow, Constructivists, 1960. 256 p. 5,000 copies printed.

Sponsoring Agency: Administrative Structure & Educational System. Federal Security Council. Administrative Structure & Educational System. Federal Security Council.

I.I. Golovinskiy, Doctor of Technical Sciences, Professor; **I.L. Korotkiy**,
Doctor of Technical Sciences, Professor and V.A. Bykhovskiy, Candidate of Tech-
nical Sciences; **S.N. Kuznetsov**, **N.Ye. Mikhlin**, **V.V. Ponomarev**; Ed. of Publishing House:
I.B. Barabain; Techn. Ed.: **L.M. Oreshko**.

REMARKS: This collection of articles is intended for design and construction engineers, scientific workers, and aspirants.

COMMENT: Bookstore contains articles on experimental and theoretical investigations of the earthquake stability of buildings and structures carried out at the Central Scientific Research Institute of Structural Forms of the Academy of Building and Architecture of the USSR. The American and Soviet papers are those for calculating seismic effects in the design and construction of buildings and structures. The American papers, and also problems in the seismic zoning of the USSR, are excellent. The journal, and also problems on investigation of the strength of steel subjected to several actions, on investigation of the dynamic behavior of building models, problems concerning loadings and on the dynamic behavior of buildings and in the distribution of horizontal seismic loads between the cross walls of buildings and also in the horizontal seismic loads between the cross walls of buildings and also on the seismic behavior of buildings subjected to horizontal seismic loads are also discussed. The projected instructions for determining the seismic loads for buildings and structures based on the current American and Soviet codes for buildings and structures (AS 6-7) and G. 6-7, for specialists are recommended. Numerous economy individual articles.

LIST OF COMPANIES:

Candidate of Technical Sciences]. Problem of Rectification
Stability, V.A. [Candidates of Technical Sciences] . Problem of Rectification
of Carcinoma Formations With Anticancer Breaks Under Brick Buildings 92

1. **Hydrobiology, V.I. [Candidate of Technical Sciences].** Experimental Investigation of Dynamic Behavior of Models with Yielding and Rigid Foundations. 103

Methodology, A.M. (Engineer). Prefabricated Reinforced This-Section
Concrete Panels for Covering Buildings in Seismic Regions 122

FRANKLIN, W. M. [Engineer] Distribution of Horizontal Sides
and Vertical Stresses in Buildings of rigid Structural Design 239

Phlorentin, E.A. (Candidate of Technical Sciences). Accounting for Plastic Deformations in Problems of the Dynamic Design of Structures 255

* **ALLENBERG, T.H.** [Engineer]. **Design of High Brick Tower Type Buildings for**
Belmonte, London

AYZENBERG, Ya. M.

Cand Tech Sci - (diss) "Distribution of the horizontal seismic load among the vertical diaphragms of buildings." Moscow, 1961. 18 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev); 180 copies; price not given; (KL, 5-61 sup, 187)

AYZENBERG, Ya.M., inzh.; KUDNIN, G.V., inzh.

Standard plants manufacturing reinforced concrete construction elements
for constructing industrial buildings. Bet. i zhel.-bet. no.1:4-7
Ja '61. (MIRA 14:2)

(Precast concrete)

AYZENBERG, Ya.M.

Distribution of seismic load among the walls of a building
with a rigid framework. Trudy TSNIISK no.6:134-143 '61.
(MIRA 15:1)
(Earthquakes and building)

AYZENBERG, Ya.M.

Standard design of brick wall reinforcements for multistory
buildings in districts with a seismicity of nine points. Trudy
TSNIISK no.18:155-190 '62. (MIRA 16:2)
(Brick walls) (Earthquakes and building)

AYZENBERG, Ya.M., kand.tekhn.nauk

Computation of higher forms and frequencies of free vibrations
of framed industrial buildings in designing for seismic loads.
Prom.stroi. 40 no.4:45-49 '62. (MIRA 15:5)
(Earthquakes and building) (Vibrations)

AYZENBERG, Ya.M., kand. tekhn. nauk

Vibration platform for studying the seismic stability of buildings.
Prom. stroi. 40 no.7:43-47 J1 '63. (MIRA 16:10)

FRENKEL, P.M.; AYZENBERG, Ya.M.; BAZAROV, A.R.; PISHCHIK, M.A.;
CHETIRKINA, V.G.; SHISHKIN, R.G.; KOSENKO, I.S.; RUBINCHIK,
M.I.; AVRAMENKO, V.N.; ALEKSANDROV, M.M.; VASIL'YEV, V.A.,
red.

[Use of prestressed reinforced concrete in foreign
countries] Primenenie predvaritel'no napriazhennogo zhe-
lezobetona za rubezhom. Moskva, Stroiizdat, 1964. 85 p.
(MIRA 17:6)

SOV/44-58-4-2918

Translation from: Referativnyy zhurnal, Matematika, 1958,
Nr 4, p 63 (USSR)

AUTHOR: Ayzenberg, Ya. Ye.

TITLE: On the Application of Operational Calculus to Boundary
Value Problems (O primeneniі operatsionnogo ischisleniya
k krayevym zadacham)

PERIODICAL: Tr. Stud. nauchn. o-va. Khar'kovsk. politekhn. in-ta,
1956, 1, Nr 1, pp 21-26

ABSTRACT: By means of operational calculus the boundary value problem

$$P_m \left(\frac{d}{dx} \right) y = f(x)$$

is solved, where $y, y'', \dots, y^{(2m-2)}$ assume specified
values at $x=0, 1$. In addition P_m is a polynomial of degree m ,
and $f(x)$ is a complex function of a real argument.

The solution of this problem follows as a special case of the
results of the reviewer (RZh Mat, 1954, 2151); but the author

Card 1/2

SOV/44-58-4-2918

On the Application of Operational Calculus (Cont.)

offers another deduction (without using the apparatus of the δ -function) on the basis of the operator

$$T_a f(x) = \int G(x, \xi) f(\xi) d\xi,$$

where G is a Green function for the operator $L(y) = y'' + ay$.

P.K. Rashevskiy

Card 2/2

AUTHORS: Zil'berman, G.Ye. and Ayzenberg, Ya. Ye.

126-2-5/30

TITLE: On a possible surface of constant energy of electrons in the periodic field of a lattice. (O vozmozhnoy forme poverkhnosti postoyannoy energii elektronov v periodicheskom pole reshetki).

PERIODICAL: "Fizika Metallov i Metallovedeniye" (Physics of Metals and Metallurgy), Vol.IV, No.2, 1957, pp. 216-221. (U.S.S.R.)

ABSTRACT: A constant energy surface is considered and it is shown that small groups of electrons in k-space can form for any degree of filling of the zone. In general the existence of holes does not necessitate a highly polished zone. The particular surface considered may be written in the form:

$$\alpha = (3 - \cos x - \cos y - \cos z) + \beta [6 - \cos (x + y) - \cos (x + z) - \cos (y + z) - \cos (x - y) - \cos (x - z) - \cos (y - z)] + \gamma [4 - \cos (x + y + z) - \cos (x + y - z) - \cos (x - y + z) - \cos (x - y - z)] + \delta (3 - \cos 2x - \cos 2y - \cos 2z) \equiv F(x, y, z)$$

Card 1/2

The following cases are considered and illustrated:-

β	γ	δ
1	-0.75	-0.5
0.8	-0.75	0.4
-0.25	0.1	0.9

AYZENBERG, ^YE.

"The action of dissolved nickel electrolytes on changes of muscle volume of live and dead muscles." (p. 165) Laboratory of the Physiology of the Cell, Physiotechrical Institute, Leningrad University; and Department of Cytology. Institute of Experimental Medicine, Leningrad. by Nasonov, D. and Ayzenberg, E.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 1

AYZENBERG, Ye., aspirant; PAKHOMOVA, G., aspirant

Establishment of gradual norms is the basis for planning
transportation expenses. Avt. transp. 41 no.5:31-32 My '63.
(MIRA 16:10)

1. Ural'skiy gosudarstvennyy universitet.
(Transportation, Automotive—Cost of operation)

AYZENBERG, Ye.

Planning the transportation of milk and dairy products.
Avt. transp. 42 no.8:37-38 Ag '64. (MIRA 17:10)

AYZENBERG, Ye.

[Methods of improving the work in transportation during the period of the large-scale building of communism; a textbook] Puti sovershenstvovaniia raboty transporta v period razvernutoho stroitel'stva kommunizma; uchebnoe posobie. Sverdlovsk, Ural'skii gos. univ., 1964. 41 p. (MIRA 1846)

AYZENBERG, Ye. A.

Use of ichthyol internally in hemorrhoids. Vrach. delo no.3:
145-146 Mr '62. (MIRA 15:7)

1. Khirurgicheskoye otdeleniye (zav. - I. K. Singayevskiy)
vtoroy rayonnoy bol'nitsy Darnitskogo rayona.

(HEMORRHOIDS) (ICHTHAMMOL)

MILICHENKO, S. L.; ZHURAVLEV, I. V.; AYZENBERG, Ye. B.

Reconditioning C-100 crawler tractor links by electric arc
build-up welding. Avtom. svar. 16 no.3:65-69 Mr '63.
(MIRA 16:4)

1. Sverdlovskiy proyektno-tekhnologicheskii institut.

(Crawler tractors--Maintenance and repair)
(Electric welding)

AIZENBERG, E.I.

AIZENBERG, E.I.

RT-102 (Paraneurotic changes in normal and malignant cells. Vital staining of cancerous and normal cells under physiological conditions and the action on them of paraneurotic agents). Paranevroticheskie izmeneniia normal'nykh i olokachestvennykh kletok. Vital'naia okraska rakovykh i normal'nykh kletok v fiziologicheskikh usloviakh i pri deistvii na nikh paranevroticheskikh agентов.

Biulleten' Eksperimental'noi Biologii i Meditsiny, 21(1-2): 33-36, 1946.

BELJEN'KIY, Ye.F. [deceased]; RISKIN, I.V.; YUKHNOVSKIY, G.L., prof.,
retsenzent; RATNIKOVA, K.I., dotsent, retsenzent; GOL'DBERG,
K.M., kand.tekhn.nauk, retsenzent; LIZUMOV, V.H., inzh.,
retsenzent; AYZENBERG, Ye.S., red.; FOMKINA, T.A., tekhn.red.

[Chemistry and technology of pigments] Khimiia i tekhnologiya
pigmentov. Izd.3., ispr. i dop. Leningrad, Gos.nauchno-tekhn.
izd-vo khim.lit-ry, 1960. 756 p. (MIRA 14:4)

1. Zaveduyushchiy kafedroy lakov i krasok Khar'kovskogo poli-
tekhnicheskogo instituta (for Yukhnovskiy). 2. Kafedra lakov i
krasok Khar'kovskogo politekhnicheskogo instituta (for Ratnikova).
(Pigments)

GORLOVSKIY, I.A.; AYZENBERG, Ya. S. [deceased]; VEDENOV, G.N.; ZHIGAREV, S.K.;
SHAPIRO, I.S.; EPSHTEYN, S.Z.

Technology of the production of ultramarine. Lakokras. mat.
1 ikh prim. no.3:20-25 '61. (MIRA 14:6)
(Ultramarine)

AYZENBERG, Ye. Ye.

"New Data on the Organization and Fauna of Aphids." Cand Biol Sci, Moscow State U, Moscow, 1954. (RZhBiol No 5, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

AYZENBERG, Ye.Ye.; MORAVSKAYA, A.S.

Horlochaitephorus zachvatkini, sp.n. (Homoptera, Aphididae),
a new species of oak aphids from the southeast of the European
part of the U.S.S.R. [with summary in English]. Zool. zhur. 38
no.4:559-564 Ap '59. (MIRA 12:5)

1. Biologicheskaya laboratoriya (byvshaya Bel'shevskaya biologicheskaya
stantsiya) i kafedra entomologii Moskovskogo gosudarstvennogo
universiteta i Institut lesa AN SSSR, Moskva.
(Russia, Southern--Plant lice)
(Oak--Diseases and pests)

AYZENBERG, Ye.Ye.

New genus (*Hoplochaetaphis* gen.n.) and a new subgenus of the genus *Mysocallis* (*Pasekia* subg.n.) of the aphid suborder (Aphidodea, Homoptera). Zool. zhurn. 38 no.11:1674-1677 N '59 (MIRA 13:3)

1. Biological Laboratory (former Bolshevo Biological Station of the Moscow State University).
(Plant lice)

ZAKHVATKIN, A.A. [deceased]; AYZENBERG, Ye.Ye.

Representative of a new aphid tribe Macropodaphidini (Homoptera, Aphidodea) from Eastern Siberia. Nauch.dokl.vys.shkoly: biol.nauki no.4:40-45 '60. (MIRA 13:11)

1. Rekomendovana kafedroy entomologii. Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(KHAYRYUZOVKA REGION--PLANT LICE)

AYZENBERG, Ye.Ye.; BEKKER-MIGDISOVA, Ye.E.; VISHNYAKOVA, V.N.;
 DANILEVSKIY, A.S.; MARTYNOVA, O.M.; NOVOZHILOVYY, N.I.;
 PONOMARENKO, A.G.; POPOV, Yu.A.; RODENDORF, B.B.; CHERNOVA,
 O.A.; SHAROVYY, A.G.; ORLOV, Yu.A., glav. red.; MARKOVSKIY,
 B.P., zam. glav. red.; RUZHENTSEV, V.Ye., zam. glav. red.;
 SOKOLOV, B.S., zam. glav. red.; OSINOVA, L.S., red. izd-va;
 MAKUNI, Ye.V., tekhn. red.

[Fundamentals of paleontology; reference book in 15 volumes
 for paleontologists and geologists of the U.S.S.R.] Osnovy
 paleontologii; spravochnik dlia paleontologov i geologov
 SSSR v piatnadsati tomakh. Glav. red. IU.A.Orlov. Moskva,
 Izd-vo Akad. nauk SSSR. Vol.9.[Arthropoda: Tracheata,
 Chelicerata]Chlenistonogie: trakheinye i khelitsеровye. Otv.
 red. toma B.B.Rodendorf. 1962. 559 p. (MIRA 16:3)
 (Arthropoda, Fossil)

TSSHOKHER, V. O., prof. (Ashkhabad); AYZENBERG, Yu. B. (Ashkhabad)

Temporary standards for the use of desert (Kara Kum) sand in mixed mortars for masonry; for construction in Ashkhabad.
Trudy FTI Turk. fil. AN SSSR no.2:3-6 '50. (MIRA 16:1)

1. Zaveduyushchiy Antiseysmicheskim otdelom Turkmenskogo filiala AN SSSR (for TShokher). 2. Zaveduyushchiy laboratoriyey stroitel'nykh materialov Antiseysmicheskogo otdela Turkmenskogo filiala AN SSSR (for Aysenberg).

(Ashkhabad--Mortar)

TSSHOKHER, V. O., prof. (Ashkhabad); AYZENBERG, Yu. B. (Ashkhabad)

Technical specifications for the use of scoria from the Gaurdak mine as a building material; using the wastes of sulfur smelting. Trudy FTI Turk. fil. AN SSSR no.2:7-13 '50.
(MIRA 16:1)

1. Zaveduyushchiy Antiseysmicheskii otdelom Turkmenskogo filiala AN SSSR (for TShokher). 2. Zaveduyushchiy laboratoriyey stroitel'nykh materialov Antiseysmicheskogo otdela Turkmenskogo filiala AN SSSR (for Ayzenberg).

(Gaurdak—Industrial wastes)
(Building materials)

ANTONOV, V. P.[deceased]; AYZENBERG, Yu. B.

Calcined gypsum with increased strength. Trudy FTI Turk. fil.
AN SSSR no.2:17-27 '50. (MIRA 16:1)

(Krasnovodsk—Gypsum)

AYZENBERG, Yu.B.; BUDNIKOV, P.P., redaktor; MASHRYKOV, K., otvetstvennyy
redaktor; ZUBOVA, N.I., tekhnicheskiiy redaktor

[Turkmenistan building materials; raw material sources and
technological investigations] Stroitel'nye materialy Turkmenistana;
syr'evye istochniki i tekhnologicheskaya izuchennost'. Pod obshchei
red. P.P.Budnikova. Ovt.red. K.Mashrykov. Ashkhabad, Izd-vo Akademii
nauk Turkmeniskoi SSR, 1951. 226 p. [Microfilm] (MIRA 10:3)

1. Chlen-korrespondent AN SSSR, deystvitel'nyy chlen AN USSR
(for Ayzenberg)
(Turkmenistan--Building materials)

AYZENBERG, Yu. B.

Building Research

Scientific specialization of the laboratory for construction materials organized at the Turkmenistan branch of the Academy of Sciences of the U.S.S.R. Inv. Turk. fil. AN SSSR No. 1, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

Alimkulov, Is. P. (20, p)

Dissertation: "Construction Materials of Turkmenistan." 3rd year, 3rd year
Institute of Construction Engineering, Academy of Architecture USSR, 2nd year.
(Vecherniyaya Moskva, Moscow, 20 Jan 54)

So: 302, 218, 20 Dec 1954

AYZENBERG, Yu.B.

Organization of a central construction office for the Kara Kum
Canal. Izv.AN Turk.SSR no.3:82-83 '55. (MLRA 9:5)

1. Institut geologii AN Turkmeneskoy SSR.
(Kara Kum Canal)

AYZENBERG, Yu.B.

Distribution of mineral raw materials and natural stone building
materials in the area of the Kara Kum Canal. Mat. issl. v pom.
proekt. i stroi. Kar. Kan. no.2:21-26 '56. (MIRA 11:4)
(Kara Kum--Building materials)

AYZENBERG, Yu.B.

Investigation and use of gypsum materials in the area of the Kara
Kum Canal; building materials made from the waste products of
sulfur melting at the Gaurkaksk Plant. Mat. issl. v pom. proekt.
i stroi. Kar. Kan. no.2:67-108 '56. (MIRA 11:4)
(Kara Kum--Gypsum)

AYZENBERG, Yu.B., inzhener.

Lighting industry and its importance in the world economy. Sveto-
tekhnika 2 no.3:30-31 My '56. (MLRA 9:8)
(Lighting)

AYZENBERG, Yu.E., inzhener; BOGOLYUBOV, A.L., inzhener.

CONFIDENTIAL - SECURITY INFORMATION

Designing open fluorescent luminaires for industry.
Svetotekhnika 2 no.5:23-24 S '56.

Svetotekhnika 2 no.5:23-24 S '56.

(MLRA 9:11)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Fluorescent lamps)

(Fluorescent lamps)

AYZENBERG, Yu.B., inzhener; BOGOLYUBOV, A.L., inzhener.

~~Series of industrial type fluorescent fittings for general~~
lighting. Svetotekhnika 3 no.6:43-47 Je '57. (MIRA 10:7)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Fluorescent lamps)

AYZENBERG, Yu.B. X45

AYZENBERG, Yu.B., inzhener; DUBAS, I.A., inzhener.

Protection from radio noise caused by fluorescent lamps.

Svetotekhnika 3 no.8:30-31 Ag '57.

(MLRA 10:8)

1. Vsesoyuznyy svetotekhnicheskiy institut.

(Fluorescent lamps) (Radio--Noise)

AYZENBERG, YU.B.

IVANOVA, N.S., kand. tekhn. nauk; AYZENBERG, Yu.B., inzh.

All-Union illuminating engineering conference. Svetotekhnika 4 no.5:
27-28 My '58. (MIRA 11:5)

(Lighting—Congresses)

AYZENBERG, Yu.B., inzh.; KOROL'KOV, V.S., inzh.

Lamps with mercury-vapor bulbs. Svetotekhnika 4 no.6:28-31 Je '58.
(MIRA 11:6)

(Electric lighting, Mercury vapor)

AYZENBERG, In.B., insh.; SHEFFEL', Ye.B., kand. tekhn. nauk.

Brightness limitation of classroom illuminants. Svetotekhnika 4
no.9:1-4 3 '58. (MIRA 11:8)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(School houses—Lighting)

AYZENBERG, Yu.B., inzh; BOGOLYUBOV, A.L., inzh

Fluorescent lamps for offices. Svetotekhnika 4 no.11:24-26
N '58. (MIRA 11:11)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Fluorescent lighting)

AYZINBERG, Yu.B., inzh.; KOROL'KOV, V.S., inzh.

Performance of fluorescent lamps in circuits using incandescent
lamps instead of chokes. Svetotekhnika 5 no.5:19-25 № '59.
(MIRA 12:7)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Fluorescent lamps)

SHEFTEL', Ye.B., kand.tekhn.nauk; AYZENBERG, Yu.B., inzh.

Fluorescent lighting of classrooms. Svetotekhnika 5 no.7:1-8
J1 '59. (MIRA 12:9)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Schoolhouses--Lighting) (Fluorescent lighting)

AYZENBERG, Yu.B., inzh.

Question of the nomenclature of luminaires for ordinary
illumination of industrial enterprises. Svetotekhnika 5
no.12:13-17 D '59. (MIRA 13:4)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Factories--Lighting) (Lighting--Terminology)

AYZENBERG, Yu.B., inzh.; BOGOLYUBOV, A.L., inzh.

Luminaires with fluorescent lamps used in industrial and administration rooms. Promenerg. 14 no.3:16-21 Mr '59. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy svetotekhnicheskiy institut.
(Fluorescent lamps)

IVANOVA, N.S., kand.tekhn.nauk; AYZENBERG, Yu.B., inzh.

Meeting of workers of the electric lighting industry. Svetotekhnika
6 no.5:26-29 My '60. (MIRA 13:12)

(Electric lighting--Congresses)

S/196/61/000/009/015/052
E194/E155

AUTHORS: Ayzenberg, Yu.B., Bogolyubov, A.L., and Yefimkina, V.F.

TITLE: Dust and water protected fluorescent lamp fittings

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,
no.9, 1961, 13-14, abstract 9V 113. (Svetotekhnika,
1961, no.1, 11-14)

TEXT: The fitting consists of a sheet-steel frame, reflector, diffuser and suspension arrangements. A symmetrical two-lamp start and control device is fixed inside the frame. The new small-sized lamp holders are used. The diffuser is made of transparent plastic and is firmly pressed to the frame by special clips; it is sealed with a lining of 'paralon'. For convenience whilst changing lamps and cleaning, the diffuser when open remains suspended on special chains. The fittings may either be installed in a long luminous line using a sealed main box or mounted individually on suspension rods. The conductors are brought in through glands. A description is also given of another dust- and water-proof fluorescent lamp fitting with an internal reflecting surface.

Card 1/1 [Abstractor's note: Complete translation.]

AYZENBERG, Yu.B., inzh.

Principles of designing circular light fixtures. Svetotekhnika
7 no.3:1-8 M. '61. (MIRA 14:8)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Electric light fixtures)

AYZENBERG, Yu.B., inzh.; KROL', TS. I., k_{ind}.tekhn.nauk

Nomenclature of industrial light fixtures. Svetotekhnika 7 no.6:
1-7 Je '61. (MIRA 14:6)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Electric light fixtures)

AYZENBERG, Yu.B., inzh.; YEFIMKINA, V.F., inzh.

Draft standard on "Light fixtures with fluorescent lamps for industrial lighting." Svetotekhnika 7 no.8:23 Ag '61.
(MIRA 14:7)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Fluorescent lighting)

AYZENBERG, Yu.B., inzh.

Industrial light fixtures using materials with directional-scattering reflection. Svetotekhnika 8 no.8:1-11 Ag '62. (MIRA 15:7)

1. Vsesoyuznyy svetotekhnicheskii Institut.
(Electric light fixtures)

AYZENBERG, Yu.B.; GORBACHEV, N.V.; GOREV, Z.H.; DEMCHEV, V.I.;
YEFIMKINA, V.F.; IVANOVA, N.S.; KOMISSAROV, V.D.; MARKIZOVA, G.B.;
MESHKOV, V.V.; OSTROVSKIY, M.A.; RATHER, Ye.S.; SHEFTEL', Ye.B.;
YUROV, S.G.

Nikolai Nikolaevich Ermolinski; obituary. Svetotekhnika 8
no.12:28 D '62. (MIRA 16:1)
(Ermolinski, Nikolai Nikolaevich, 1894-1962)

ANZENBERG, Yu. B., inzh.; YEFIMKINA, V. P., inzh.

Presently manufactured fluorescent light fixtures and their
principal characteristics. Svetotekhnika 8 no.9:25-27 S '62.
(MIRA 15:10)

1. Vsesoyuznyy svetotekhnicheskiy institut.

(Fluorescent lamps)

AYZENBERG, Yu.B., inzh.; YEFIMKINA, V.F., inzh.

Built-in fluorescent light fixtures for industrial lighting.
Svetotekhnika 8 no.12:9-13 D '62. (MIRA 16:1)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Fluorescent lighting) (Fluorescent lamps)

AYZENBERG, Yu.B.; BARTASHEVICH, O.V.; OLESOV, P.P.

Session dedicated to the 50th anniversary of IU. N. Godin's
birth. Sov. geol. 6 no.5:146-147 My '63. (MIRA 16:6)

(Godin, IUrii Nikolaevich)

AYZENBERG, Yu.B., inzh.; SOLNTSEVA, Z.A., inzh.

Presently manufactured light fixtures with incandescent lamps
and their principal characteristics. Svetotekhnika 9 no.9:
27-32 S '63. (MIRA 16:10)

1. Vsesoyuznyy svetotekhnicheskiy institut.

AYZENBERG, Yu.B., inzh.; GUNCHEV, A.V., inzh.; DEMCHEV, V.I., inzh.;
SVENTITSKIY, I.I., kand. tekhn. nauk

New irradiation apparatus and units for agriculture. Mekh. i
elek. sots. sel'khoz. 21 no.1:36-38 '63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy svetotekhnicheskiy
institut (for Ayzenberg, Ganchev, Demchev). 2. Vsesoyuznyy
nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo
khozyaystva (for Sventitskiy).

(Infrared rays—Physiological effect)

(Ultraviolet rays—Physiological effect)

AYZENBERG, Yu.B.; DAVYDOV, I.Ya.

Work of the Geological Circle at the Geological Institute of the
Academy of Sciences of the Turkmen S.S.R. Izv. AN Turk. SSR. Ser.
fiz.-tekhn., khim. i geol. nauk no. 1: 124-125 '62. (MIRA 16:12)

1. Institut geologii AN Turkmeneskoy SSR.

AYZENBERG, Yu.B.; DAVYDOV, I.Ya.

Work of the Geological Study Group of the Institute of Geology
of the Academy of Sciences of the Turkmen S.S.R. Izv. AN Turk.SSR.
Ser. fiz.-tekh., khim. i geol. nauk no.2:125-126 '63.
(MIRA 17:8)

KORISHCHENKO, L.A., inzh.; AYZENBERG, Yu.S., inzh.; VENEROVSKIY, V.L., inzh.

Reserves for increasing the output of centrifuged supports.

Transp. stroi. 14 no.8:21-23 Ag '64.

(MIRA 18:1)

KOBYL'SKAYA, M.V.; KORNILOV, M.F.; SEMENOV, S.S.; PYSHKINA, N.I.;
PUSTOVALOVA, Ye.K.; KUZNETSOVA, O.A.; Prinsipali uchastiye;
KSENOFONTOVA, teknik; AYZENBERG, Z.M., teknik; LOBANOVA, E.M.,
teknik

Using acid asphalt for the preparation of superphosphate
phosphorous fertilizer. Trudy VNIIT no.12:119-129 '63.
(MIRA 18:11)

AYZENBERG-TERENT'YEVA, Ye. I.

"Cytomorphological Study of Bone Marrow," Dokl. Ak. Nauk SSSR, 70, No. 3, 1950.

Cent. Inst. of Hematology and Blood Transfusions, Min. Public Health

AYZENBERG-TYERENT'YEVA, Ye. I.

Normal human blood in explant. Arkh. pat., Moskva 13 no.2:80-81
Mar-Apr 1951. (CIML 21:1)

1. Of the Cytological Laboratory (Consultant -- Prof. G. K. Khrushchev), Central Institute of Hematology and Blood Transfusion (Director -- Prof. A. A. Bagdasarov, Corresponding Member of the Academy of Medical Sciences USSR).

~~AYZINBERG-T~~ LARENT'YEVA, Ye. I., KAKHET'RIDZE, M. G.

Blood culture of subjects with hemocytoblastosis. Arkh. pat.,
Moskva 13 no.2:81-82 Mar-Apr 1951. (CIAM 21:1)

1. Of the Cytological Laboratory (Consultant -- Prof. G. K. Khrushchev), Central Institute of Hematology and Blood Transfusion (Director -- Prof. A. A. Bagdasarov, Corresponding Member of the Academy of Medical Sciences USSR).

SIGAL, I.Ya.; AYZENBUD, M.A.

Conference (lectures) on the utilization of gas in industry. Gaz.prom.
5 no.8:50 Ag '60. (MIRA 13:10)

(Gas as fuel)

DIL'MAN, V.V.; AYZENBUD, M.B.

Coefficient of longitudinal mixing in bubble column
flow reactors. Khim.prom. no.9:607-609 Ag '62. (MIRA 15:9)
(Chemical reactors)
(Mixing)

AYZENBUD, M.B.; DIL'MAN, V.V., kand.tekhn.nauk

Hydraulics of chemical reactors for gas-liquid systems. Khim.prom.
no.3:199-204 Mr '61. (MIRA 1443)
(Chemical apparatus) (Systems(Chemistry))

AYZENBUD, M.B.; DIL'MAN, V.V.

Gas content of a bubble bed. Khim. prom. no.4:295-297
Ap '63. (MIRA 16:8)

DIL'MAN, V.V.; ZHILYAYEVA, T.A.; AYZENBUD, M.B.

Determining the coefficient of longitudinal turbulent diffusion.
Inzh.-fiz. zhur. 7 no.8:55-58 Ag '64. (MIRA 17:10)

1. Gosudarstvennyy institut azotnoy promyshlennosti i produktov
organicheskogo sinteza, Moskva.

DIL'MAN, V.V.; AYZENBUD, M.B.; ZHILYAYEVA, T.A.

Determination of the linear turbulent diffusion coefficient in
a flow-type bubbling column under unsteady conditions. Khim.prom.
no.9:705-707 S '63. (MIRA 16:12)

VEVIGROVSKIY, M.M.; DIL'MAN, V.V.; AYZENBUD, M.B.

Determination of the surface of phase contact in high bubbling layers.
Khim. prom. 41 no.3:204-206 Mr '65. (MIRA 18:7)

L 1504B-65 EWT(1) AEDC(a)

ACCESSION NR: AP5001633

S/0170/64/000/008/0055/0058

AUTHOR: Dil'man, V. V.; Zhilyayeva, T. A.; Avsenbud, M. B.

TITLE: Determining the coefficient of longitudinal turbulent diffusion ₂₁ B

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 8, 1964, 55-58

TOPIC TAGS: turbulent diffusion, gas diffusion, liquid diffusion, convective diffusion

Abstract: For determining the coefficient of turbulent diffusion of a gas-liquid system, a method is given which is based on the solution of a differential equation of convective diffusion for a semi-infinite channel. The equation derived for defining the longitudinal turbulent diffusion coefficient is in good agreement with experimental data obtained for the two phase layer. Orig. art. has 3 figures and 7 equations.

ASSOCIATION: Gosudarstvennyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza, Moscow (State Institute of the Nitrogen Industry and Products of Organic Synthesis)

Card 1/2

L 15048-65

ACCESSION NR: AP5001633

SUBMITTED: 14 May 63

ENCL: 00

SUB CODE: ME, MA

NO REF SOV: 002

OTHER: 004

JPRS

Card 2/2

AYENFEL'D, TS.B.; BUYLINA, L.O.; JENYU, L.A.; KRISHNASHANKAR, A.I.

Effect of paint-and-varnish coatings on the electrochemical
behavior of iron. Zhur. prikl. khim. 37 no.8:1748-1752 Ag
64.
(MIRA 17:11)

8/080/62/035/008/003/009
D202/D308

AUTHORS: Ayzenfel'd, Ts.B., Buylina, L.O., Levina, L.A., and
Krasil'shchikov, A.I.

TITLE: The effect of colored lacquer coatings on the electro-
chemical behavior of iron

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 8, 1962,
1759 - 1765

TEXT: The mechanism of the protection of iron by 10 different coat-
ings was studied by means of taking the polarization curves of un-
painted and lacquered specimens. Comparison of the stationary po-
tentials of lacquered and unpainted electrodes showed that the lar-
gest positive shift in potential was caused by coatings possessing
high adhesive properties, e.g. a phosphating primer, bakelite lac-
quer and epoxide materials. If their protecting properties consis-
ted only of the isolation of the metallic surface from its surround-
ings, the stationary potentials would remain the same for painted
and bare electrodes. The energetic state of the surface is thus
affected by painting. All coatings affect the anodic and cathodic
Card 1/2

The effect of colored lacquer ...

S/080/62/035/008/003/009
D202/D308

processes; they all decrease the current density of anodic passivation and displace the cathodic polarization curves to more negative values, the first effect being more pronounced for the majority of coatings. The passivation effect depends not only on the properties of the pigments used, but also on the properties of the film-forming substances as well. There are 5 figures and 3 tables.

SUBMITTED: June 2, 1961

1

Card 2/2

AYZENGENDLER, P. G.

One Problem of the Theory of Potential Operators. p. 78

TRANSACTIONS OF THE 2ND REPUBLICAN CONFERENCE ON MATHEMATICS AND MECHANICS
(TRUDY VTOROY RESPUBLIKANSKOY KONFERENTSIY PO MATEMATIKE I MEKHANIKE), 184
pages, published by the Publishing House of the AS KAZAKH SSR, ALMA-ATA, USSR, 1962

L 10298-65 EWT(d) LJE(c)		SOURCE CODE: UR/0020/65/165/002/0255/0257	
ACC No: AP5028267			
AUTHORS: ^{44, 55} <u>Ayzengendler, P. G.; Vaynberg, M. M.</u> ^{44, 55}			
ORG: ^{44, 55} <u>Moscow Regional Pedagogical Institute im. N. K. Krupaka</u> (Moskovskiy oblastnoy pedagogicheskiy institut) ³⁵			
TITLE: Periodic solutions of nonautonomous systems			
SOURCE: AN SSSR. Doklady, v. 165, no. 2, 1965, 255-257			
TOPIC TAGS: ^{44, 55} <u>differential equation, periodic solution</u>			
ABSTRACT: The authors consider			
$\dot{x}/dt = Ax + \lambda F(t, x, \lambda).$			
Using a technique they developed in a previous paper (DAN, 163, No. 3, 543, 1965) they draw conclusions concerning the number and form of all periodic solutions of the Poincare problem for nonautonomous systems with analytic right part. Necessary and sufficient conditions are established for convergence of series obtained by the Lyapunov method, showing as a corollary that not every formal periodic solution is present. This paper was presented by academician G. I. Petrov on 28 June 1965. Orig. art. has: 10 formulas. ^{44 55}			
SUB CODE: 12/ SUBM DATE: 25Jun65/ ORIG REF: 005/ OTH REF: 002			
Card 1/1		UDC: 517.919	

S/137/62/000/001/042/237
A060/A101

AUTHOR: Ayzenkol'b, F.

TITLE: Development and status of powder metallurgy in the German Democratic Republic

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 35, abstract 10257
("Poroshk. metallurgiya", 1961, no. 1, 101 - 109)

TEXT: This is a survey of papers on the study of the theoretical and technological foundations of powder metallurgy in the GDR. Beginning with 1945 the papers in the domain of theory of sintering, high-melting point, and heat-resisting materials, materials for general machine construction, and special purpose materials are listed and annotated.

R. Andriyevskiy ✓

[Abstracter's note: Complete translation]

Card 1/1

AYZENGENDLER, P.G.; VAYNBERG, M.M.

Theory of branching of solutions to nonlinear equations in the multidimensional case. Dokl. AN SSSR 163 no.3:543-546 J1 '65.

(MIRA 18:7)

1. Moskovskiy oblastnoy pedagogicheskiy institut im. N.K.Krupskoy.
Submitted March 19, 1965.

ISPIRYAN, G.P., kand.tekhn.nauk; KUPRIYANOVA, G.N., inzh.; AYZENKREMER,
A.A., inzh.

Efficient organization of the working space for cutters of
Russian leather. Izv. vys.ucheb. zav.; tekhn.leg. prom. no.2:
100-105 '58.

(MIRA 11:6)

1.Kiyevskiy tekhnologicheskoy institut legkoy promyshlennosti (for
Ispiryay). 2. Ukrainskiy nauchno-isledovatel'skiy institut kozhevennoy
promyshlennosti (for Kupriyanova, Ayzenkremer).
(Shoe manufacture)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
Chemotherapy of brucellosis. V. G. Drobov'ko, B. E. Alzeman, M. O. Shvalger, R. G. Fel'dshteyn, and P. S. Chernysheva. <i>Zh. Mikrobiol., Epidemiol. Immunobiol.</i> 1945, No. 7-8, 69-74. Sulfapyridine, and the azo product of the latter with 1,2,6-triaminobenzene showed preliminary value in chemotherapy of brucellosis. Promising results were also obtained with di-Na Saccharin-2-(p-sulfamylphenylazo)-1-naphthol-3,6-disulfonate. Sulfamidourotropine and the diazo-compd. of diaminoethyl sulfone with urotropine were also promising. Derivs. of benzidine: Congo red, Trypan blue and naganin were toxic. Among acridine derivs. tried only safranine showed some promise although it, too, was very toxic. G. M. Kosolapoff																			
ASS-51A METALLURGICAL LITERATURE CLASSIFICATION																			

DROBOT'KO, V.G.; AYZENMAN, B.Ye.

Study of the growth factors and growth inhibitors of Bact. typhi abdominalis. Report no.4: Complex growth factors and selection of substances interfering with them. Mikrobiol.zhur. 9 no.2/3:93-97 '48.
(MIRA 9:9)

1. Iz otdela patogennykh mikroorganizmov (zav. otdelom - V.G.Drobot'ko)
Instituta mikrobiologii imeni akademika D.K.Zabel'nogo Akademii nauk
USSR.

(KERTHELLA TYPHOSA)

(GROWTH PROMOTING SUBSTANCES)

AYZENMAN, B.Ye.; SHVAYGER, M.O.

Survival of *Rickettsia prowazeki* outside the living body. Mikrobiol.
zhur. 9 no.2/3:98-104 '48. (MIRA 9:9)

1. Iz otdela patogennykh mikroorganizmov (sav. otdelen - V.G.Drebet'ko)
Instituta mikrobiologii imeni akademika D.K.Zabeletnogo Akademii nauk
USSR.

(RICKETTSIA PROWAZEKI)

AYZENMAN, B.Ye.; SHVAYGER, M.O.

Experiments with in vitro cultures of *Rickettsia prowazeki*. Mikrobiol.
zhur. 9 no.4:38-45 '48. (MLRA 9:9)

1. Iz otdela patogennykh mikroorganizmov (sav. otdelom - V.G.Drobot'ko)
Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk
USSR.

(RICKETTSIA PROWAZEKI)

AYZENMAN, B.Ye.; SHVAYGER, M.O.

~~XXXXXXXXXXXX~~

A less expensive culture medium for bacteria. Mikrobiol.zhur. 9 no.4:
92-97 '48. (MLRA 9:9)

1. Iz otdela patogennykh mikroorganizmov (zav. otdelom - V.G.Drobot'ko)
Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk
USSR.

(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

AYZENMAN, B. Ye.

Ayzenman, B. Ye. - "The influence of certain chemical and physical factors on the viability of Provachek's Rickettsia in vitro", Mikrobiol. zhurnal, Vol. X, No. 1, 1944, p. 52-65, (In Ukrainian, resume in Russian).

SO: U-3042, 11 March 53, (Letopis 'Zhurnal'nykh Statey, No. 7, 1949).

AYZENMAN, B. Ye.

Ayzenman, B. Ye. - "The chemotherapy of experimental typhoid fever in white mice",
Mikrobiol. zhurnal, Vol. X, No. 1, 1946, p. 66-74, (In Ukrainian, resume in Russian).

SO: U-3042, 11 March 53, (Letonis 'Zhurnal 'nykh Statey, No. 1, 1949).

AYZENMAN, B.Yu.

Mechanism of the action of antibiotics; a survey of the literature.
Mikrobiol.shur. 13 no.2:111-127 '51. (MIRA 9:9)
(ANTIBIOTICS)

AYZENMAN, B.Ye.

~~AYZENMAN, B.Ye.~~

Effect of syntomycin on the typhoid fever bacillus and on experimental typhoid fever in white mice. Mikrobiol.zhur. 14 no.3:9-17 '52. (MIRA 6:11)

1. Z Institutu mikrobiologii Akademii nauk URSS.
(Typhoid fever) (Antibiotics)

DROBOT'KO, V.G.; AYZENMAN, B.E.; SHVAYGER, M.O.; ZELEPUKHA, S.I.; MANDRIK, T.P.

Antibiotic properties of gallic acid. Mikrobiol. zhur. 14 no.3:18-21 '52.
(MLRA 6:11)

1. Z Institutu mikrobiologii Akademii nauk URSS.
(Antibiotics) (Gallic acid)